

MATERIAL SAFETY DATA SHEET

Miller Auto Parts & Supply Company Inc.
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Date Prepared: July 25, 2008
Prepared By: Technical Services
Date of Review/Update:

SECTION 1 - PRODUCT IDENTIFICATION

Item Number: 2138
Product Name: Bug Off Bug Remover

SECTION 2 - HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGHI TLV</u>
Nonylphenol Ethoxylate	9016-45-9	1-5	N/A	N/A
Sodium Hydroxide	1310-73-2	1-5	N/A	N/A
Potassium Hydroxide	1310-58-3	1-5	N/A	N/A
Sodium Silicate	1344-09-8	1-5	N/A	N/A

Listed as IARC, NTP, or OSHA Carcinogen:

HMIS Rating:

Health - 2 Fire - 0 Reactivity - 0 Personal Protection - C
0=Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

SECTION 3 - PHYSICAL CHARACTERISTICS

Boiling Point: N/A Vapor Pressure (mmHg @ 68F): N/A
Vapor Density: N/A Solubility in Water: Complete
Specific Gravity: 1.01 ± 0.05 Melting Points: N/A
% Volatile: 95.0 ± 0.2 pH: 11.0 ± 0.5
Appearance/Odor: Violet Liquid, Bland Odor

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point / Method: 212°F / TCC
Flammable Limits: N/A LEL: UEL:
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

SECTION 5 - HEALTH HAZARD DATA

Signs and Symptoms of Exposure:

Eye: Will cause irritation, redness, tearing and blurred vision, irreversible corneal damage and blindness.

Ingestion: Swallowing can be fatal. Symptoms include severe gastrointestinal irritation, vomiting of blood. Low blood pressure and shock may occur as a result of severe tissue injury. Aspiration hazard.

Skin: Symptoms include redness, swelling, burns and severe irreversible skin damage.

Breathing: Severe irritation of respiratory system, pulmonary edema. May lead to death.

Medical Conditions Aggravated by Exposure: Overexposure to the ingredients in this product has caused the following effects in laboratory animals and may aggravate pre-existing disorders in humans: Nervous system, liver, kidney, lung damage.

Emergency & First Aid Procedures:

Eyes: Flush with large amounts of water for at least 15 minutes while holding eyelids apart. Seek medical attention.

Ingestion: never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. No NOT lave individual unattended. Seek medical attention.

Skin: Wash with soap and water for fifteen minutes. Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. If skin is damaged, seek medical attention immediately.

Breathing: Remove victim to fresh air. Restore breathing. Keep warm and quiet. Seek medial attention immediately.

SECTION 6 - REACTIVITY DATA

Stability: Stable.

Materials to Avoid: Metals such as copper, aluminum, magnesium zinc to release hydrogen gas which is explosive. Strong mineral acids, strong oxidizing agents.

Conditions to Avoid: Excessive heat and open flame.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Various hydrocarbons of incomplete combustion.

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if Material is Spilled or Leaked: Ventilate, neutralize and remove with inert absorbent.

Waste Disposal: Dispose of in accordance with federal, state and local regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.

Respirator Protection: If required a properly fitted NIOSH/MSHA approved respirator rated for hazardous ingredients found in section 2.

Skin Protection: Chemical resistant gloves such as nitrile.

Eye Protection: Chemical splash goggles with side shields.

Precautions to be taken in Handling and Storage: Do not smoke. Never wear soaked clothing. Launder or dry-clean thoroughly after using.

Special Storage Requirements: Store in dry area away from excessive heat.

SECTION 9 - REGULATORY INFORMATION

D.O.T. REQUIREMENTS (49CFR 172.101): None

RQ (Reportable Quantity) 49 CFR 172.101: None

TSCA (Toxic Substance Control Act) Status: The intentional ingredients of this product are listed.

CERCLA RQ-40CFR 302.4: None

SARA 302 COMPONENTS – 40CFR 355 Appendix A:

SECTION 311/312 HAZARD CLASS – 40CFR 370.2:

Immediate (X) Reactive () Delayed (X) Fire () Sudden release of pressure ()

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

Ingredient	Max. % By Wt.	LD50	LC50
Nonylphenol Ethoxylate	1-5	N/A	N/A
Sodium Hydroxide	1-5	N/A	N/A
Potassium Hydroxide	1-5	N/A	N/A
Sodium Silicate	1-5	N/A	N/A